BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

NAME OF THE WORK IMPROVEMENTS TO DRAIN AT VIJAYALAKSHMI LAYOUT AT BAGALAGUNTE WARD NO. 14

Sl. No.	Description	Dimensions				Est. Cost	5000000.00	
		No.	L.	B.	D	Qty.	Rate	Amount
1	2	3	4	5	6	7.00	8	9
I	For Drain							
1	KSRRB 300-1 : Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH /Chapter 3 (Page No.142, Item No. 19.1)							
	For drains	2	125.00	0.50	0.35	43.75		
		2	140.00	0.50	0.50	70.00		
						113.75	86.92	9887.00
							Per CUm	
	Basic Rate	82.00						
	Add 6% A.W	4.92						
	Total	**86.92**						
2	Removing B.S slab of Drain and stacking (Page No.25, Item No. 5.32)							
	For drains	2	125.00	1.35		337.50		
		2	140.00	1.35		378.00		
						715.50		
	Deduct 80% for missing, broken & damaged B S slabs					**572.40**		
					Net qnty	**143.10**	65.72	9405.00
							Per Sqm	
	Basic Rate	62.00						
	Add 6% A.W	3.72						
	Total	**65.72**						

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Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
3	KSRB 4 - 1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.12, Item No. 4.3)							
	For drains	2	125.00	0.45	0.15	16.88		
		2	140.00	0.45	0.15	18.90		
						35.78	5159.02	184564.00
	Basic Rate	4867.00					Per Cum	
	Add 6% A.W	292.02						
	Total	**5159.02**						
4	Providing a granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete for 7.5 cms thick (Page No.25, Item No. 5.31.1)							
	Deducted 80% missing, broken & damaged B S slabs qnty vide item No					**572.40**		
						572.40	665.68	381035.00
	Basic Rate	628.00					Per Sqm	
	Add 6% A.W	37.68						
	Total	**665.68**						
5	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.84 cum and fine aggregates @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.13, Item No. 4.7)							
	For drains	4	125.00	0.20	0.075	7.50		
		4	140.00	0.20	0.075	8.40		
	Drain bed	2	125.00	0.45	0.10	11.25		
		2	140.00	0.45	0.10	12.60		
						39.75	5598.92	222557.00
							Per Cum	

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Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	Basic Rate	5282.00						
	Add 6% A.W	316.92						
	Total	**5598.92**						
6	KSRB 5-14.1 : Providing and construction load bearing wall with solid concrete block of Size 400x200x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1) : 2005 and constructed CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges scaffolding, curing, hire charges of machineries etc., Complete as specification(Page No.25, Item No. 5.27.1)							
	For drains	2	125.00	0.40		100.00		
		2	140.00	0.40		112.00		
						212.00	993.22	210563.0
							Per Sqm	
	Basic Rate	937.00						
	Add 6% A.W	56.22						
	Total	**993.22**						
7	Supplying and fixing precast reinforced conceret slabs 10cm thick of mix M20 using 20mm and sownsize graded grantite metal using reinforecement 100mm dia steel at 150mm C/C both ways cost, transportation, hire charges of machinerym machine cuttng the vertical face to get plain even surface etc., complete with all lead and lift conveyance charges, labour charges inclusive of cost of all materials							
		2	125.00	0.90		225.00		
		2	140.00	0.90		252.00		
						477.00	1698.00	809946.0
							PerSqm	
8	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. of size 450 x 200 x 400 mm (Page No.25, Item No. 5.29.1)							
		2	125.00			250.00		
		2	140.00			280.00		
						530.00		
				530.00	/ 0.45	**1177.78**		
					Say	**1177.78**	385.84	454434.
							Nos	

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Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	Basic Rate		364.00					
	Add 6% A.W		21.84					
	Total		**385.84**					
9	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. (Page No.122, Item No.15.80)							
		2	125.00	0.45		112.50		
		2	140.00	0.45		126.00		
						238.50	27.56	6573.00
							Per Sqm	
	Basic Rate		26.00					
	Add 6% A.W		1.56					
	Total		**27.56**					
10	KSRB 15-19.2 : Providing and applying spary painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materiasl, labour, complete as per specifications. (Page No.122, Item No.15.81)							
	Qty vide item no 11					238.50		
						238.50	69.96	16685.00
							Per Sqm	
	Basic Rate		66.00					
	Add 6% A.W		3.96					
	Total		**69.96**					
II	**For Roads**							
11	KSRRB 300-52.1 : Scarifying the existing granular road surface to a depth of 50mm and disposal of scarified material within all lifts and leads upto 1000 metres complete as per specifications. MORTH specifications No.305.4.3 (Page No.148, Item No. 19.58)							
		2	91.00	4.50		819.00		
		1	124.00	4.50		558.00		

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Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
						1377.00	21.20	29192.00
	Basic Rate		20.00				Per Sqm	
	Add 6% A.W		1.20					
	Total		21.20					
12	KSRB 4 - 1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.12, Item No. 4.3)							
		2	87.00	4.50	0.15	117.45		
		1	124.00	4.50	0.15	83.70		
						201.15	5159.02	1037737.00
							Per Cum	
	Basic Rate		4867.00					
	Add 6% A.W		292.02					
	Total		5159.02					
13	Cement Concrete Pavement:- Construction un-reinforced plain cement concrete pavement, thickness as per design over a prepared sub base with OPC cement or any other type as per clause 1051.2.2. with 25mm and down size graded granite metal coarse aggregates and fine aggregates, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrance, sealant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grades as per drawing complete as per specifications. M20 (at 300 kg per cum coarse aggregate @ 0.64 cum and fine aggregate @ 0.43 cum) (Page No.177, Item No. 22.6.2)							
		2	91.00	4.50	0.15	122.85		
		1	124.00	4.50	0.15	83.70		

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Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
						206.55	5508.82	1137847.00
							Per Cum	
	Basic Rate	5197.00						
	Add 6% A.W	311.82						
	Total	**5508.82**						
14	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift (Page No.178, Item No. 22.7)							
		2	91.00	4.50		819.00		
		1	124.00	4.50		558.00		
						1377.00	95.40	131366.00
							Per Sqm	
	Basic Rate	90.00						
	Add 6% A.W	5.40						
	Total	**95.40**						
15	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. for concrete pavement (Page No.178, Item No. 22.8.1)							
		53	4.50			238.50		
		40	4.50			180.00		
						418.50	121.90	51015.00
							Per Rmt	
	Basic Rate	115.00						
	Add 6% A.W	6.90						
	Total	**121.90**						

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Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
16	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4KM a) Basic rate for haulage of materials as per item No. 17.4/ KSRRB: M100-4,1 ... Rs. 2.00 Tonne / Km b) Average earth of work 1.28 Tonne / Km Rs, 2.00 c) Add loading and unloading Page. No. 133 Item No. 17.1 PWD SR 2016-17							
	Qty vide item no 1							
	qty vide item no 13					113.75		
			1377.00		x 0.50	688.50		
						802.25		
	Loading and unloading	68.00			LTd to	790.00	85.65	67662.00
	Lead 4 KMs 2x1.28x4	12.80					Per Cum	
		80.80						
	Add A W 6 %	4.85						
	Tota	85.65						
						Sub Total		4761484.00
17	Tender Premium							238074.00
18	Miscellaneous and unforeseen charges							442.00
						GRAND TOTAL Rs.		5000000.00

CERTIFICATE

1 The work spot have been inspected by me and work is found to be necessary.
2 This estimate is prepared as per the PWD & IWTD CSR of 2016-17
3 This work is not split up
4 The provisions were made in this estimate are adequete and essential
5 This works comes under BBMP Limits

Asst.Engineer
Ward No. 14

Asst.Executive Engineer
T.Dasarahalli Sub Division
B.B.M.P.

Executive Engineer
Dasarahalli Division
B.B.M.P.

ನಂ.EE/DD/AS/69/17-18 ದಿನಾಂಕ : 01-09-17
ರೂ. 50,00,000/- Rupees fifty lakhs Only
ಆಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ.CE/TS/177/17-ಆ ದಿನಾಂಕ : 25/09/2017
ರೂ. Rs. 50.00 lakhs Only/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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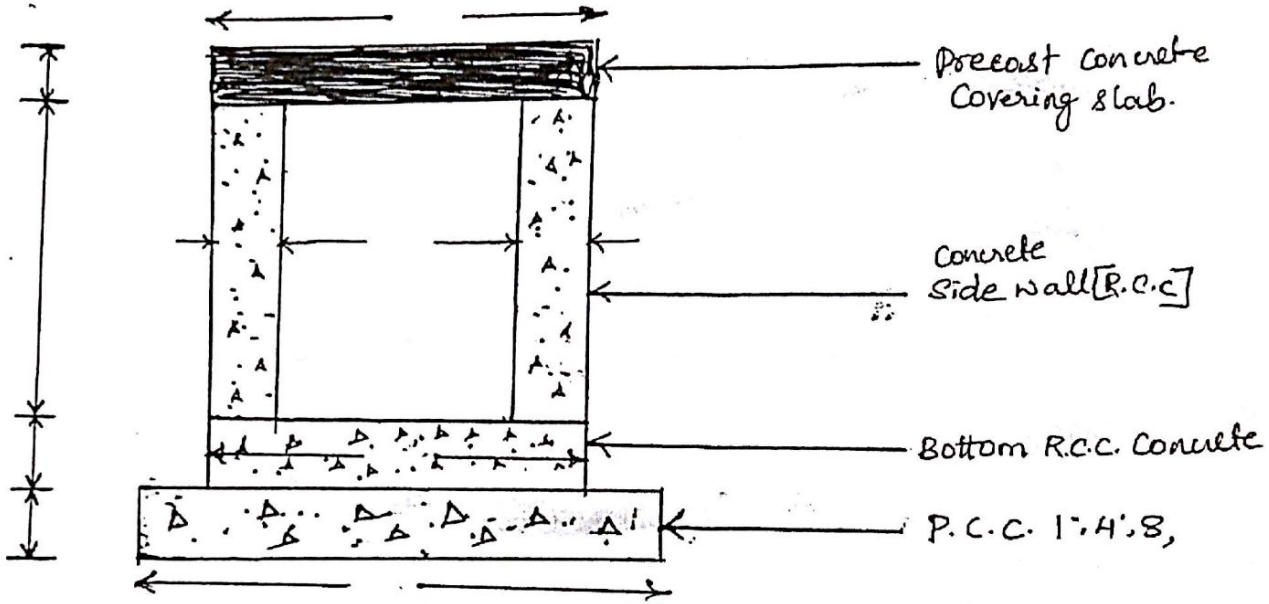
Name of Work:



Drain - Crossection

Note:-
1) All Dimensions are in Centimeters
2) Sketch is not to Scale

Assistant Engineer

Ward No. 14

Assistant Executive Engineer

..... Sub Division

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